

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Yoshiaki FUKUZUMI et al.

Serial No.: 09/783,023

Filed: February 15, 2001

For: SEMICONDUCTOR DEVICE USING
FUSE/ANTI-FUSE SYSTEM AND METHOD
OF MANUFACTURING THE SAME

Atty. Docket No.: 001701.000059

Group Art Unit: 2823

Examiner: G. Fourson, III

Confirmation No.: 6061

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed September 6, 2002, please amend the instant application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows:

The paragraph starting on page 1, line 5, has been amended as follows:

This application is based upon and claims the benefit of priority from the prior Japanese Patent Application No. 2000-039968, filed February 17, 2000.

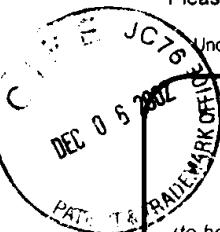
The paragraph starting on page 5, line 9, has been amended as follows:

The anti-fuse is expected to produce various merits. For example, the anti-fuse is expected to decrease the area occupied within the chip and to permit replacing the final defective cell after sealing the package. Also, in the anti-fuse, a desired gate insulating film is broken to make the device conductive by applying a voltage higher than the breakdown voltage. Therefore, in general, the anti-fuse is connected to a high voltage generating circuit for breaking the gate insulating film and to a judging circuit for detecting whether the anti-fuse portion is broken or not. It follows that, in breaking the anti-fuse portion, the gate insulating film in the judging circuit portion also is damaged to some extent. Such being the situation, it was desirable

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Bm/f
J. Macmillan
11/7/03
TECHNICAL DIVISION
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

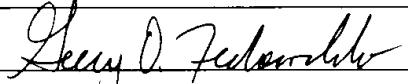
		Application Number	09/783,023
		Filing Date	February 15, 2001
		First Named Inventor	Yoshiaki Fukuzumi et al.
		Group Art Unit	2823
		Examiner Name	G. Fourson, III
Total Number of Pages in This Submission		Attorney Docket Number	001701.00059

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

TECHNICAL INFORMATION RECEIVED
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2000

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gary D. Fedorochko, Reg. No. 35,509
Signature	
Date	December 6, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Typed or printed name	
Signature	
	Date

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **36**

Complete if Known

Application Number	09/783,023
Filing Date	February 15, 2001
First Named Inventor	Yoshiaki Fukuzumi et al.
Examiner Name	Fourson III, G
Group / Art Unit	2823
Attorney Docket No.	001701.00059

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Other None
Order

Deposit Account:

Deposit Account Number 19-0733

Deposit Account Name Banner & Witcoff, Ltd.

The Commissioner is authorized to: (check all that apply)
 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)		(\$ 0)			

2. EXTRA CLAIM FEES

Total Claims	-20 **	=	Extra Claims	X	Fee from below	=	Fee Paid
Independent Claims	22	=	2	X	18	=	36
Multiple Dependent	2	=	0	X		=	0
				X		=	0

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	Claims in excess of 20
102	84	Independent claims in excess of 3
104	280	Multiple dependent claim, if not paid
109	84	** Reissue independent claims over original patent
110	18	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 36)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)	(\$ 0)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Gary D. Fedorochko	Registration No. Attorney/Agent)	35,509	Telephone	202-508-9100
Signature	<i>Gary D. Fedorochko</i>			Date	December 6, 2002

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